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Form PTO-1449	Atty. Docket No. GI 5298A	Serial No. 09/148,234
INFORMATION DISCLOSURE STATEMENT		
Applicant(s) Moutsatsos <i>et al.</i>		
Filing Date September 4, 1998		Group 1636

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)
<i>JP</i>	A1	5,013,649	5/7/91	Wang <i>et al.</i>	<del>435</del>	<del>69.1</del>	4/8/98
<i>JP</i>	A2	5,106,748	4/21/92	Wozney <i>et al.</i>	<del>435</del>	<del>252.3</del>	6/23/89
<i>JP</i>	A3	5,108,922	4/28/92	Wang <i>et al.</i>	<del>435</del>	<del>240.2</del>	7/31/90
<i>JP</i>	A4	5,116,738	5/26/92	Wang <i>et al.</i>	<del>435</del>	<del>69.1</del>	4/26/91
<i>JP</i>	A5	5,141,905	8/25/92	Rosen <i>et al.</i>	<del>435</del>	<del>69.1</del>	11/17/89
<i>JP</i>	A6	5,187,076	2/16/93	Wozney <i>et al.</i>	<del>435</del>	<del>69.1</del>	3/7/90

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<i>JP</i>	B1	WO 91/18098	11/28/91	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B2	WO 93/00432	1/7/93	PCT	<del>435</del>	<del>252.3</del>	
<i>JP</i>	B3	WO 93/16099	8/19/93	PCT	<del>435</del>	<del>240.2</del>	
<i>JP</i>	B4	WO 94/01557	1/20/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B5	WO 94/15965	7/21/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B6	WO 94/15966	7/21/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B7	WO 94/15949	7/21/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B8	WO 94/21681	9/29/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B9	WO 94/26892	11/24/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B10	WO 94/26893	11/24/94	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B11	WO 95/01801	1/19/95	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B12	WO 95/01802	1/19/95	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B13	WO 95/16035	6/5/95	PCT	<del>435</del>	<del>69.1</del>	
<i>JP</i>	B13	WO 96/36710	11/21/96	PCT	<del>435</del>	<del>69.1</del>	

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<i>JP</i>	C1	Cheng <i>et al.</i> , "Differentiation of Human Bone Marrow Osteogenic Stromal Cell <i>In Vitro</i> : Induction of the Osteoblast Phenotype by Dexamthasone," <i>Endocrinology</i> , 134(1): 277-286 (1994).
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<i>JP</i>	C3	Malpe <i>et al.</i> , "Evidence that Human Bone Cells in Culture Contain Binding Sites for Osteogenic Protein-1," <i>Biochemical and Biophysical Research Communications</i> , 201(3): 1140-1147 (1994).

Examiner <i>W. H. S. Smith</i>	Date Considered <i>2/1/02</i>
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CP	A7	5,591,625				

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CP	C4	Perides <i>et al.</i> , "Regulation of Neural Cell Adhesion Molecule and L1 by the Transforming Growth Factor- $\beta$ Superfamily," <u>The Journal of Biological Chemistry</u> , 269(1): 765-770 (1994).
CP	C5	Nissinen <i>et al.</i> , "Bone Morphogenetic Protein-2 is a Regulator of Cell Adhesion," <u>Experimental Cell Research</u> , 230: 377-385 (1997).
CP	C6	Zheng <i>et al.</i> , "Recombinant Human Bone Morphogenetic Protein-2 Enhances Expression of Interleukin-6 and Transforming Growth Factor- $\beta$ 1 Genes in Normal Human Osteoblast-Like Cells," <u>Journal of Cellular Physiology</u> , 159: 76-82 (1994).
CP	C7	Postlethwaite <i>et al.</i> , "Osteogenic Protein-1, a Bone Morphogenetic Protein Member of the TGF- $\beta$ Superfamily, shares Chemotactic but Not Fibrogenic Properties with TFG- $\beta$ ," <u>Journal of Cellular Physiology</u> , 161: 562-570 (1994).
CP	C8	Iwaski <i>et al.</i> , "Distribution and Characterization of Specific Cellular Binding Proteins for Bone Morphogenetic Protein-2," <u>Journal of Biological Chemistry</u> , 270(10): 5476-5482 (1995).
CP	C9	Song <i>et al.</i> , "Bone Morphogenetic Protein-9 Binds to Liver Cells and Stimulates Proliferation," <u>Endocrinology</u> , 136(10): 4293-4297 (1995).
CP	C10	Lind <i>et al.</i> , "Bone Morphogenetic Protein-2 but not Bone Morphogenetic Protein-4 and B6 Stimulated Chemotactic Migration of Human Osteoblasts, Human Marrow Osteoblasts, and US-OS Cells," <u>Bone</u> , 18(1): 53-57 (1996).
CP	C11	Kon <i>et al.</i> , "Bone Morphogenetic Protein-2 Stimulates Differentiation of Cultured Spinal Ligament Cells from Patients with Ossification of the Posterior Longitudinal Ligament," <u>Calcified Tissue Int.</u> , 60: 291-296 (1997).
CP	C12	Lieberman <i>et al.</i> , "In Vivo Bone Induction Via Retroviral Gene Transfer of BMP2 into a Stromal Cell Line," <u>Trans. Orthop. Res. Soc.</u> , 43: 223 (1997).
CP	C13	Lieberman <i>et al.</i> , "Adenoviral Gene Transfer of Recombinant BMP2 into Human and Rodent Bone Marrow Cell Induces Bone Formation in Vivo," <u>Trans. Orthop. Res. Soc.</u> , 43: 427 (1997).
CP	C14	Lieberman <i>et al.</i> , "Regional Gene Therapy with a BMP-2-Producing Murine Stromal Cell Line Induces Heterotopic and Orthotopic Bone Formation in Rodents," <u>J. Orthop. Res.</u> , 16(3): 330-339 (1998).
CP	C15	Musgrave <i>et al.</i> , "Adenovirus-Mediated Direct Gene Therapy With Bone Morphogenetic Protein-2 Produces Bone," <u>Bone</u> , 24(6): 541-547 (1999).

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William S. Smith

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OTHER DOCUMENTS (Including Author, Title, Pertinent Pages, etc.)

C16	Barr <i>et al.</i> , "Systemic Delivery of Recombinant Proteins by Genetically Modified Myoblasts," <u>Science</u> , 254: 1507-1509 (1991).
C17	Louis <i>et al.</i> , "An Alternative Approach to Somatic Cell Gene Therapy," <u>Proc. Natl. Acad. Sci.</u> , 85: 3150-3154 (1988).
C18	Dhawan <i>et al.</i> , "Systemic Delivery of Human Growth Hormone by Injection of Genetically Engineered Myoblasts," <u>Science</u> , 254: 1509-1512 (1991).
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C24	Toriumi <i>et al.</i> , "Mandibular Reconstruction with a Recombinant Bone-Inducing Factor," <u>Arch. Otolaryngol Head Neck Surg.</u> , 117: 1101-1112 (1991).
C25	Yasko <i>et al.</i> , "The Healing of Segmental Bone Defects Induced by Recombinant Human Bone Morphogenetic Protein (rhBMP-2)," <u>J. Bone Joint Surg.</u> , 74: 659-670 (1992).
C26	Gerhart <i>et al.</i> , "Healing Segmental Femoral Defects in Sheep using Recombinant Human Bone Morphogenetic Protein," <u>Clin. Orthop. Rel. Res.</u> , 293: 317-326 (1993).
C27	Fang <i>et al.</i> , "Stimulation of New Bone Formation by Direct Transfer of Osteogenic Plasmid Genes," <u>Proc. Natl. Acad. Sci.</u> , 93: 5753-5758 (1996).
C28	FORM PCT/ISA/210: PCT International Search Report.

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	A3	5,108,922	4/28/92	Wang <i>et al.</i>	435	240.2	7/31/90
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	A5	5,141,905	8/25/92	Rosen <i>et al.</i>	435	69.1	11/17/89
	A6	5,187,076	2/16/93	Wozney <i>et al.</i>	435	69.1	3/7/90

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	B12	WO 95/01802	1/19/95	PCT			
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	C3	Malpe <i>et al.</i> , "Evidence that Human Bone Cells in Culture Contain Binding Sites for Osteogenic Protein-1," <i>Biochemical and Biophysical Research Communications</i> , 201(3): 1140-1147 (1994).

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